

## Recombinant Human Chromogranin A

### ORDERING INFORMATION

Catalog Number	Size
26103P-5	5ug
26103P-20	20ug
26103P-1000	1000ug

**Formulation:** Sterile-filtered solution in 20mM Tris-HCl, pH 8.0, and 10% glycerol. Purified by proprietary chromatographic techniques.

### BACKGROUND

Chromogranin A (CHGA) is a member of the neuroendocrine secretory protein family located in secretory vesicles of neurons and endocrine cells. CHGA is a precursor to three biologically active peptides: vasostatin, pancreastatin, and parastatin. These peptides function as autocrine or paracrine negative modulators of the neuroendocrine system. Other peptides including chromostatin, betagranin, WE-14 and GE-25 are also derived from full-length CHGA. CHGA has numerous biological activities including antifungal and antimicrobial action, modulation of cell adhesion, and inhibition of parathyroid hormone secretion.

### DESCRIPTION

Recombinant Human CHGA produced in *E. coli* is a single non-glycosylated polypeptide chain containing 114 amino acids (aa 19-131) with a molecular weight of 12.8kDa.

### SPECIFICATION SUMMARY

**Source:** *Escherichia coli*

**Purity:** Greater than 95% as determined by SDS- PAGE.

**Accession number:** P10645

**Amino acid sequence:**

MLPVNSPMNK GDTEVMKCIV EVISDTLSKP  
SPMPVSQECF ETLRGDERIL SILRHQNLK  
ELQDLALQGA KERAHQQKKH SGFEDELSEV  
LENQSSQAEI KEAVEEPSSK DVME.

### STORAGE AND STABILITY

Store at 4°C if entire vial will be used within 2-4 weeks. Store at or below -20°C for longer periods of time. Addition of a carrier protein (such as 0.1% HSA or BSA) is recommended for long-term storage.

*For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.*